

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Methods And Apparatus For Use In Communicating Voice And High Speed Data In A Wireless Communication System**, the specification of which was filed on June 14, 2000, as application Serial No. 09/594,467.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119(a-d) or 365(a-b) of PCT or foreign application(s) for patent or inventors' certificate listed below or priority benefits under 119(e) of any United States provisional application(s) listed below and have also identified below any foreign application for patent or inventors' certificate having a filing date before that of the application on which priority is claimed:

U.S. Provisional Application Serial No. 60/140,649 filed June 23, 1999

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, we acknowledge the duty to disclose all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Samuel H. Dworetsky	(Reg. No. 27873)	Robert B. Levy	(Reg. No. 28234)
Thomas A. Restaino	(Reg. No. 33444)	Susan E. McGahan	(Reg. No. 35948)
Michele L. Conover	(Reg. No. 34962)	Gary H. Monka	(Reg. No. 35290)
Cedric G. DeLaCruz	(Reg. No. 36498)	Jeffrey M. Navon	(Reg. No. 32711)
Rohini K. Garg	(Reg. No. 45272)	Stephen J. Pentlicki	(Reg. No. 40125)
Thomas M. Isaacson	(Reg. No. 44166)	Alfred G. Steinmetz	(Reg. No. 22971)
Benjamin S. Lee	(Reg. No. 42787)		

I also appoint Terrance A. Meador (Reg. No. 30298), James P. Cleary (Reg. No. 45843), Travis L. Dodd (Reg. No. 42491), Charles D. Gavrilovich, Jr. (Reg. No. 41031), Gerald W. Maliszewski (Reg. No. 38054), John J. Oskorep (Reg. No. 41234), Steven R. Sprinkle (Reg. No. 40825), Mark M. Takahashi (Reg. No. 38631) and Barry N. Young (Reg. No. 27774) of Gray Cary Ware & Freidenrich as associate attorneys, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence to Mr. S. H. Dworetsky, AT&T Corp., P.O. Box 4110, Middletown, New Jersey 07748. Telephone calls should be made to Thomas M. Isaacson at 301-812-1047.

Full name of 1st joint inventor: Siavash Alamouti

Inventor's signature _____ Date _____

Residence: Seattle, King County, Washington

Citizenship: Canada

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Seattle, Washington 98102

Inventor's signature _____ Date _____

Citizenship: United States of America

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Duvall, Washington 98019

Inventor's signature _____ Date _____

Citizenship: United States of America

Post Office Address: 23006 NE 18th Court
Redmond, Washington 98053

Inventor's signature _____ Date _____

Citizenship: United States of America

Post Office Address: 9333 318th Place NE
Carnation, Washington 98014

Inventor's signature _____ Date _____

Citizenship: United States of America

Post Office Address: 9309 138th Court NE
Redmond, Washington 98052

Inventor's signature _____ Date _____

Citizenship: United States of America

Post Office Address: 22207 NE 28th Place
Redmond, Washington 98053

Post Office Address: 19301 SE 16th Street
Issaquah, Washington 98026

Inventor's signature _____ Date _____

Citizenship: United States of America

Post Office Address: 28319 NE 147th Court
Duvall, Washington 98019

Inventor's signature _____ Date _____

Citizenship: United States of America

Post Office Address: 1155 Lazy Z Road
Nederland, Colorado 80466

Full name of 10th joint inventor: David J. Nix

Inventor's signature

David J. Nix

Date

9-1-00

Residence: Austin, Travis County, Texas

Citizenship: United States of America

Post Office Address:

124 Medalist Drive
Austin, Texas

78734

State of Texas

County of Travis

Jennifer L. Gipson 9-1-00



Full name of 11th joint inventor: David James Ryan

Inventor's signature _____ Date _____

Residence: Oakland, Alameda County, California

Citizenship: United States of America

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Oakland, California 94611

Post Office Address: 23415 NE 27th Street
Redmond, Washington 98053

Full name of 13th joint inventor: Hongliang Zhang

Inventor's signature _____ Date _____

Residence: Bellevue, King County, Washington

Citizenship: Canada and People's Republic of China

Post Office Address: 14703 NE 39th Street, #1023
Bellevue, Washington 98007

#3

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Full name of 1st joint inventor: Siavash Alamouti

Inventor's signature  Date 10/25/00

Residence: Seattle, King County, Washington

Citizenship: Canada

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Redmond, Washington 98053

Post Office Address: 9333 318th Place NE
Carnation, Washington 98014

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Redmond, Washington 98052

Post Office Address: 22207 NE 28th Place
Redmond, Washington 98053

Post Office Address: 19301 SE 16th Street
Issaquah, Washington 98026

Inventor's signature _____ Date _____

Citizenship: United States of America

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Duvall, Washington 98019

Post Office Address: 1155 Lazy Z Road
Nederland, Colorado 80466

Post Office Address: 124 Medalist Drive
Austin, Texas 78734

Full name of 11th joint inventor: David James Ryan

Inventor's signature _____ Date _____

Residence: Oakland, Alameda County, California

Citizenship: United States of America

Post Office Address: 4096 Piedmont Avenue, #353
Oakland, California 94611

Post Office Address: 23415 NE 27th Street
Redmond, Washington 98053

Full name of 13th joint inventor: Hongliang Zhang

Inventor's signature _____ Date _____

Residence: Bellevue, King County, Washington

Citizenship: Canada and People's Republic of China

Post Office Address: 14703 NE 39th Street, #1023
Bellevue, Washington 98007

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Michele L. Conover	(Reg. No. 34962)	Gary H. Monka	(Reg. No. 35290)
Cedric G. DeLaCruz	(Reg. No. 36498)	Jeffrey M. Navon	(Reg. No. 32711)
Rohini K. Garg	(Reg. No. 45272)	Stephen J. Pentlicki	(Reg. No. 40125)
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Full name of 1st joint inventor: Siavash Alamouti

Inventor's signature _____ Date _____

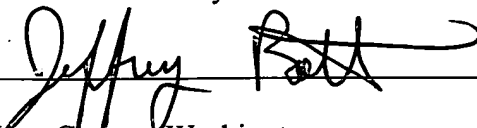
Residence: Seattle, King County, Washington

Citizenship: Canada

Post Office Address: 907 East Howe Street
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Full name of 2nd joint inventor: Jeffrey Battin

Inventor's signature



Date

7/25/2000

Residence: Duvall, King County, Washington

Citizenship: United States of America

Post Office Address:

31408 NE 163rd Street
Duvall, Washington

98019

Full name of 3rd joint inventor: David B. Gibbons

Inventor's signature D. B. Gibbons Date 7/27/2000

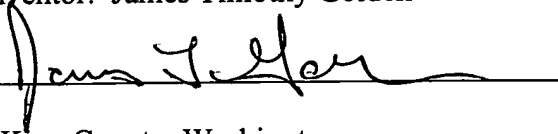
Residence: Redmond, King County, Washington

Citizenship: United States of America

Post Office Address: 23006 NE 18th Court
Redmond, Washington 98053

Full name of 4th joint inventor: James Timothy Golden

Inventor's signature



Date

8/24/00

Residence: Carnation, King County, Washington

Citizenship: United States of America

Post Office Address:

9333 318th Place NE
Carnation, Washington

98014

Full name of 5th joint inventor: Michael R. Hirano

Inventor's signature Michael R. Hirano Date 7/24/2000

Residence: Redmond, King County, Washington

Citizenship: United States of America

Post Office Address: 9309 138th Court NE
Redmond, Washington 98052

Full name of 6th joint inventor: Elliott Hoole

Inventor's signature Elliott Hoole Date 8/30/08

Residence: Redmond, King County, Washington

Citizenship: United States of America

Post Office Address: 22207 NE 28th Place
Redmond, Washington 98053

Full name of 7th joint inventor: Mary Jesse

Inventor's signature Mary Jesse Date July 28, 2000

Residence: Issaquah, King County, Washington

Citizenship: United States of America

Post Office Address: 19301 SE 16th Street
Issaquah, Washington 98026

Full name of 8th joint inventor: Robert Lee Maxwell

Inventor's signature Robert L. Maxwell Date 7/27/00

Residence: Duvall, King County, Washington

Citizenship: United States of America

Post Office Address: 28319 NE 147th Court
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Full name of 9th joint inventor: Steven E. McMeekin

Inventor's signature  Date July 27, 2000

Residence: Nederland, Boulder County, Colorado

Citizenship: United States of America

Post Office Address: 1155 Lazy Z Road
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Post Office Address: 124 Medalist Drive
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Full name of 11th joint inventor: David James Ryan

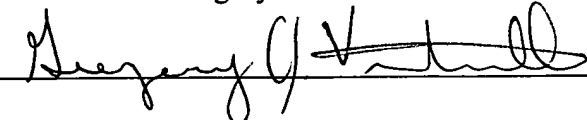
Inventor's signature _____ Date _____

Residence: Oakland, Alameda County, California

Citizenship: United States of America

Post Office Address: 4096 Piedmont Avenue, #353
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Full name of 12th joint inventor: Gregory J. Veintimilla

Inventor's signature  Date 8/30/00

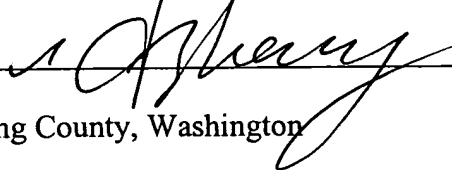
Residence: Redmond, King County, Washington

Citizenship: United States of America

Post Office Address: 23415 NE 27th Street
Redmond, Washington 98053

Full name of 13th joint inventor: Hongliang Zhang

Inventor's signature



Date

July 26, 2000

Residence: Bellevue, King County, Washington

Citizenship: Canada and People's Republic of China

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